

said heat exchanger comprising:

a generally rectangular casing for containing a heat transferring package therein, said casing having a top end, a bottom end, a pair of respective lengthwise and widthwise opposed sides which define four corners, each of said corners provided

with one of an inlet and a outlet port, wherein a pair of inlet and outlet ports is dedicated to one of said first and second medians for flow therethrough;

*mediums*

a heat transfer package having a lengthwise and a widthwise direction disposed within said casing, said package comprised of a plurality of plates continuously arranged in an accordion-like manner, each of said plates integrally formed with an adjacent plate and having a pair of opposing sides and a length and a width corresponding to said lengthwise and widthwise directions of said package, a side from each adjacent plate defining an inter-layer space therebetween for receiving a flow of one of said fluid medians therebetween, said flow of each medium having a widthwise element and a lengthwise element when flowing within said inter-layer space, each of said plate sides having a corrugated pattern formed therein, said corrugated pattern corresponding to a series of alternating ridges and channels formed at an angle of at least 45 degrees with respect to said length of said plate,

wherein said angle of said ridges and channels is adapted to create a flow resistance to said fluid medium flowing over said side of said plate such that the flow

resistance is greater in said lengthwise direction of said packing than said widthwise

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~~--11. A method of producing a recuperation heat exchanger for the transfer of heat from a first fluid medium to a second fluid medium across a heat-transferring wall separating said mediums, comprising the steps of:~~

~~providing a generally rectangular, open casing, said casing having an interior defined by a pair of opposed lengthwise sides interconnected to a pair of opposed widthwise sides, said casing defining four corners, each of said corners including one of an inlet and outlet port in communication with said interior, each lengthwise side having an inlet and an outlet port for one of said first and second fluid mediums;~~

~~providing and feeding a sheet of heat transfer material between a pair of rolls in order to continuously imprint a corrugated pattern and a series of equally spaced fold/lines into said materials from a complementary pattern on said rolls wherein said corrugated pattern corresponds to a series of alternating ridges and channels formed at an angle of at least 45° with respect to said length of said plate;~~

~~repeatedly folding said material at each of said fold lines to form a continuous heat transfer packing, said packing forming a plurality of plates continuously arranged in adjacent relationship to each other in an accordion-like manner, each of said plates presenting a common top and a common bottom end; and using said elements to seal said top and bottom ends of said package; providing a first sealing strip and a second sealing strip and joining each of said strips between said top and bottom covering elements, said first sealing strip disposed along one of said counterwise sides of said packing and said second sealing strip disposed along~~

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the other of said lengthwise sides;

placing said packing within said casing interior such that each of said top and bottom covering elements contact respective widthwise sides of said casing and where said first and second sealing strips contact respective lengthwise sides of said casing;

providing and sealingly attaching a lid for enclosing said packing within said casing, said lid having a complementary shape as that of said container.

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In Claims 5 and 6, respectfully change the claims dependency from "1"

to

--10--.

In Claim 9, delete the claim dependency on "7" and insert --11--.

Claims 1-4 were rejected under 35 U.S.C § 102(b) as being clearly anticipated by Hultgren.

Claims 1-4 were also rejected under 35 U.S.C. § 102(b) as being anticipated by Hermann. The brazing of the corrugated sheet edges with side wall 8 and opposite sides with sidewall 7 are read as a "sealing layer" and "sealing strips", respectively.

Claims 1-4 were further rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Claim 1, was said to recite the limitations "the two opposites sides" in line 8, "the lengthwise extension" in line 11, "the folded condition" in line 12, "the ends" in line 13, "the longitudinal side edges" in lines 13-14 and "the dimensions" in